IL-5 Polyclonal Antibody
Catalog # AP70522

Specification

IL-5 Polyclonal Antibody - Product Information

Application   **WB, IHC-P**
Primary Accession   **P05113**
Reactivity   **Human, Mouse, Rat**
Host   **Rabbit**
Clonality   **Polyclonal**

IL-5 Polyclonal Antibody - Additional Information

Gene ID 3567

Other Names
IL5; Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

IL-5 Polyclonal Antibody - Protein Information

Name IL5

Function
Homodimeric cytokine expressed predominantly by T-lymphocytes and NK cells that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed:2653458, PubMed:9010276). Also acts on activated and resting B-cells to induce immunoglobulin production, growth, and differentiation (By similarity). Mechanistically, exerts its biological effects through a receptor composed of IL5RA subunit and the cytokine receptor common subunit beta/CSF2RB (PubMed:1495999, PubMed:22528658). Binding to the receptor leads to activation of various kinases including LYN, SYK and JAK2 and thereby propagates signals through the RAS-MAPK and JAK-STAT5 pathways respectively (PubMed:7613138).
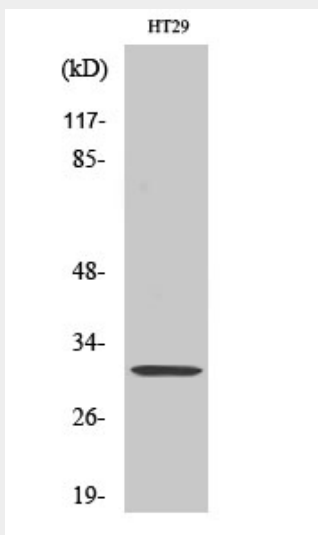
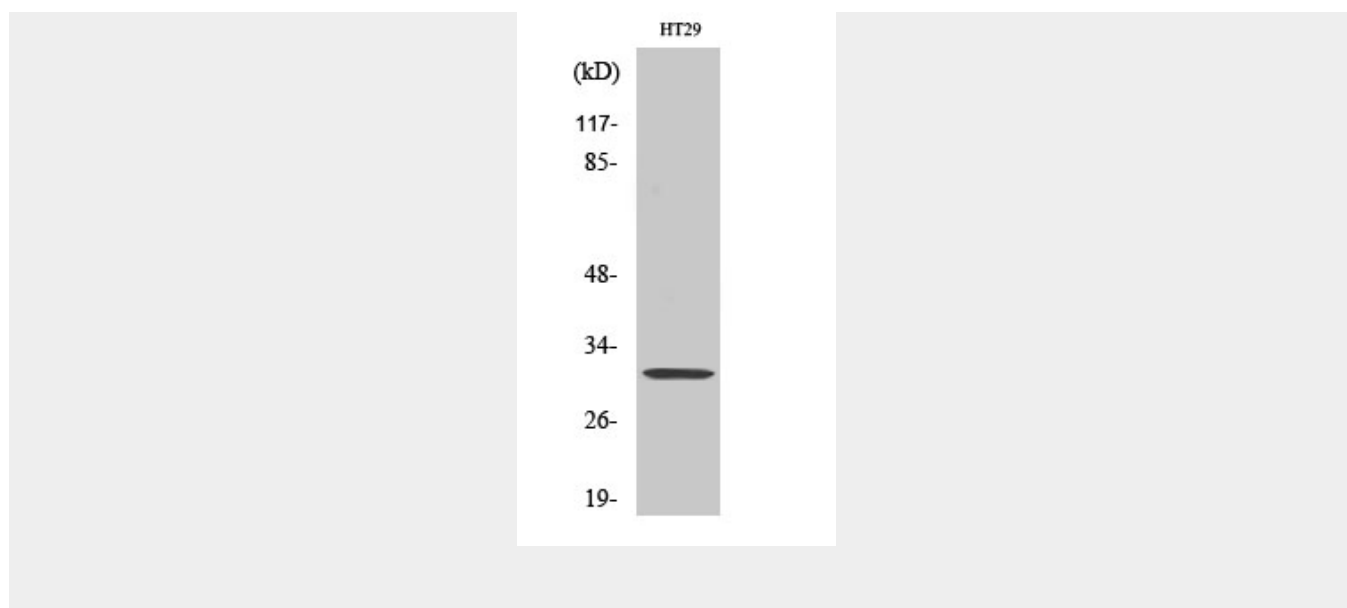**Cellular Location**
Secreted.

Tissue Location
Present in peripheral blood mononuclear cells.

IL-5 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IL-5 Polyclonal Antibody - Images

IL-5 Polyclonal Antibody - Background

Factor that induces terminal differentiation of late- developing B-cells to immunoglobulin secreting cells.